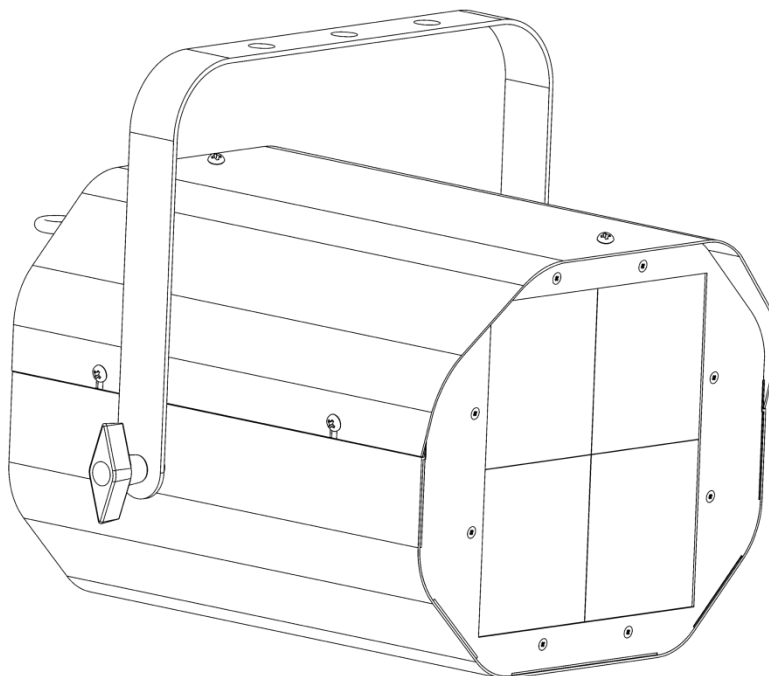


LINE DANCER LED™

Snapshot

Use on Dimmer	⊘
Outdoor Use	⊘
Sound Activated	✓
DMX	✓
Master/Slave	✓
Auto-ranging Power Supply	✓
Replaceable Fuse	✓
User Serviceable	⊘
Duty Cycle	⊘

User Manual



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1. BEFORE YOU BEGIN

What is Included

- 1 x Line Dancer LED™
- 1 x Power Cable
- 1 x Warranty Card
- 1 x User Manual

Unpacking Instructions

Immediately upon receiving a product, carefully unpack the carton, check the contents to ensure that all parts are present, and have been received in good condition. Notify the shipper immediately and retain packing material for inspection if any parts appear damaged from shipping or the carton itself shows signs of mishandling. Save the carton and all packing materials. In the event that a product must be returned to the factory, it is important that the product be returned in the original factory box and packing.




Manual Conventions

CHAUVET® manuals use the following conventions to differentiate certain types of information from the regular text.

CONVENTION	MEANING
[10]	A DIP switch to be configured
<Menu>	A key to be pressed on the product's control panel
1~512	A range of values
50/60	A set of values of which only one can be chosen
Settings	A menu option not to be modified (for example, showing the operating mode/current status)
MENU > Settings	A sequence of menu options to be followed
ON	A value to be entered or selected

Icons

This manual uses the following icons to indicate information that requires special attention on the part of the user.

ICONS	MEANING
	Critical installation, configuration or operation information. Failure to comply with this information may render the product partially or completely inoperative, cause damage to the product or cause harm to the user.
	Important installation or configuration information. Failure to comply with this information may prevent the product from functioning correctly.
	Useful non-critical information.

Safety Instructions



Please read these instructions carefully. It includes important information about the installation, usage and maintenance of this product.

- Please keep this User Manual for future consultation. If you sell the unit to another user, be sure that they also receive this instruction booklet.
- Always make sure that you are connecting to the proper voltage, and that the line voltage you are connecting to is not higher than that stated on the decal or rear panel of the product.
- This product is intended for indoor use only! To prevent risk of fire or shock, do not expose product to rain or moisture.
- Make sure there are no flammable materials close to the unit while operating.
- The unit must be installed in a location with adequate ventilation, at least 20 in (50 cm) from adjacent surfaces. Be sure that no ventilation slots are blocked.
- Always disconnect from power source before servicing or replacing fuse and be sure to replace with same fuse source.
- Secure product to fastening device using a safety chain.
- Maximum ambient temperature (Ta) is 104° F (40° C). Do not operate product at temperatures higher than this.
- In the event of a serious operating problem, stop using the unit immediately. Never try to repair the unit by yourself. Repairs carried out by unskilled people can lead to damage or malfunction. Please contact the nearest authorized technical assistance center.
- Never connect the device to a dimmer pack.
- Make sure the power cord is never crimped or damaged.
- Never disconnect the power cord by pulling or tugging on the cord.
- Never carry the product directly from the cord. Always use the hanging/mounting bracket.
- Avoid direct eye exposure to the light source while it is on.
-

2. INTRODUCTION

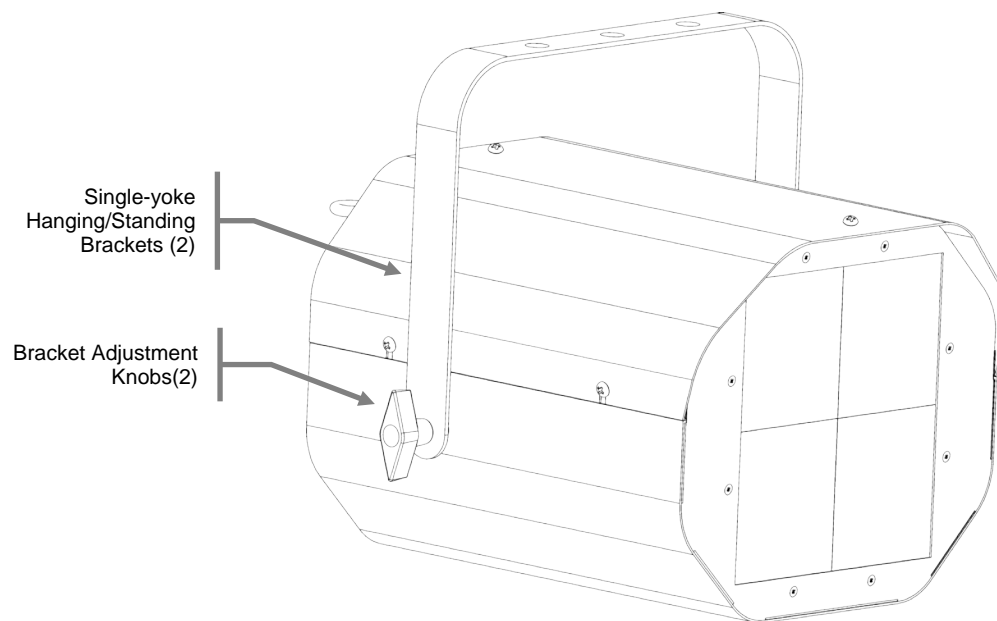
Features

- 4-channel DMX-512 LED effect light
- Individual control of red, green and blue LEDs
- Variable speed of motor
- Built-in automated programs via master/slave or DMX
- Built-in sound activated programs via master/slave or DMX

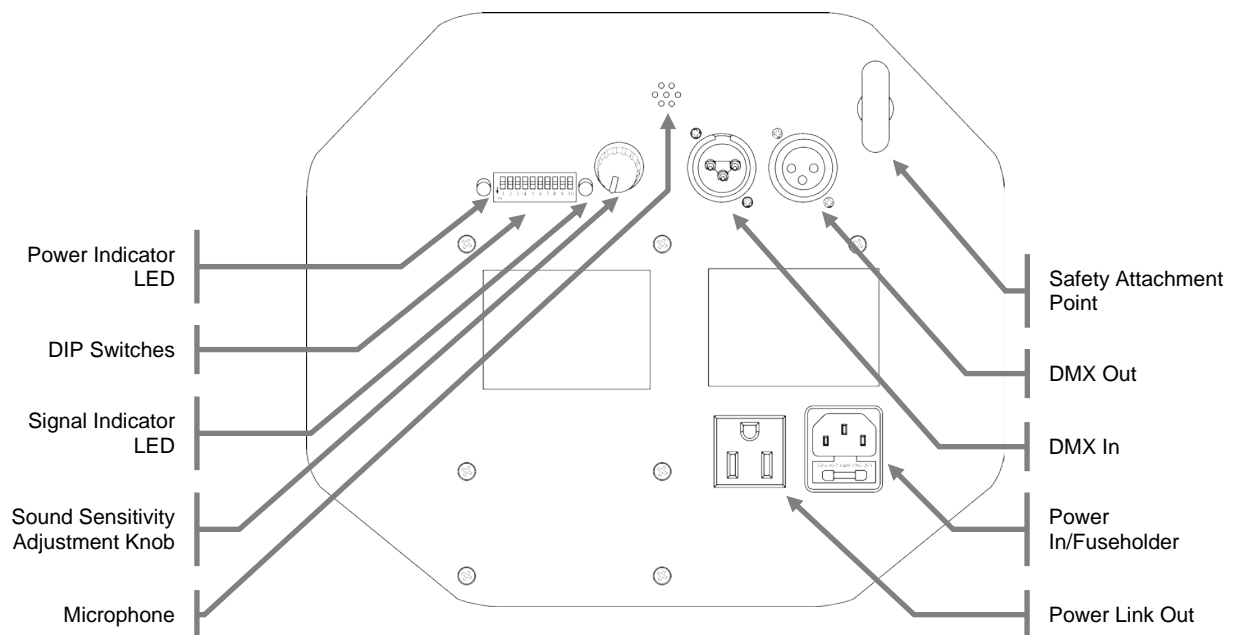
Additional Features

- Additional power output: max 30 units

Product Overview



Product Overview (rear panel)



3. SETUP

AC Power

This product runs on 100~240 VAC, 50/60 Hz. Before powering on the unit, make sure the line voltage to which you are connecting it is within the range of accepted voltages.



Always connect the product to a switched circuit. Never connect the product to a rheostat (variable resistor) or dimmer circuit, even if the rheostat or dimmer channel is used only as a 0 to 100% switch.

To determine the power requirements for a particular product, see the label affixed to the back plate of the product or refer to the product's specifications chart. A product's listed current rating indicates its average current draw under normal conditions.



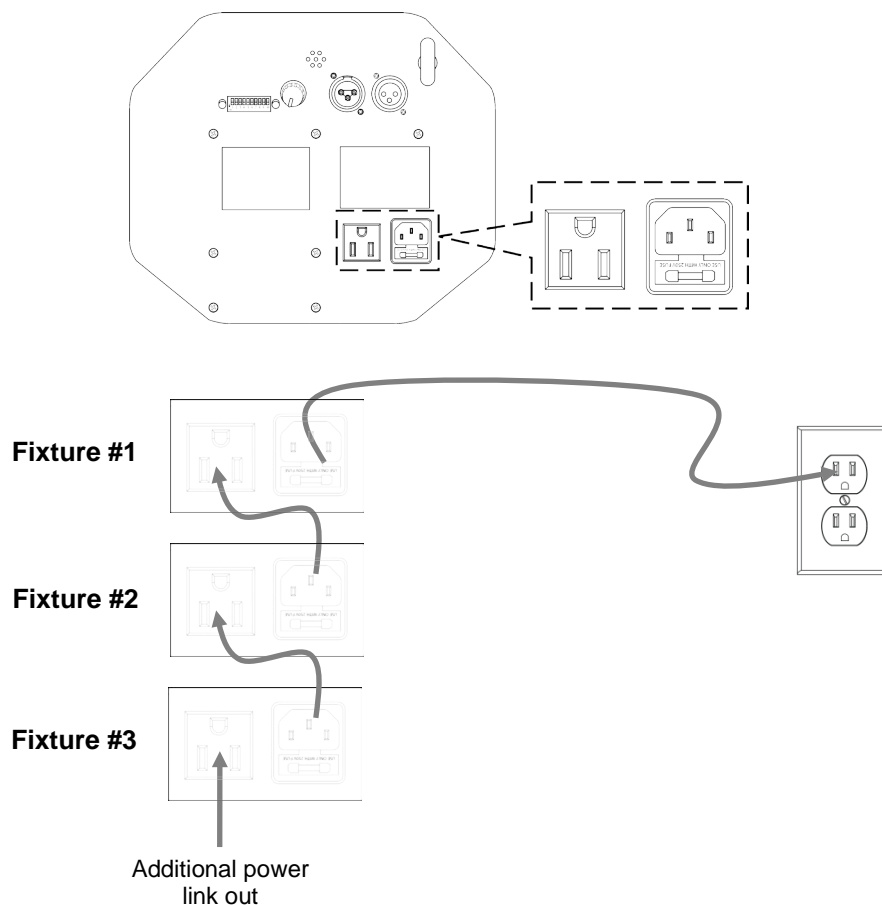
Always connect the product to a circuit with a suitable electrical ground.

Power Linking

This product contains power linking via the edison outlet located in front of the power input cable. Please see the diagram below for further explanation.



The maximum quantity of products that may be linked is 30.



Mounting

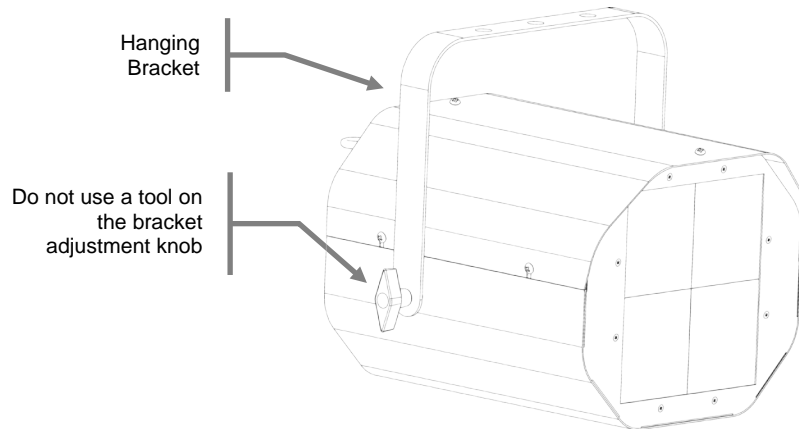
Orientation

The Line Dancer LED™ may be mounted in any safe position, provided there is adequate room for ventilation.

Rigging

Be sure that the structure can support the weight of the product. Please see the “Technical Specifications” section of this manual for a detailed weight listing. Mount the product securely. This may be done with a screw, nut and bolt, or a hanging clamp. The hole in each bracket is 13 mm in size. When rigging consider routine maintenance and control panel access. Please see the following steps for installation.

- If the power link out is intended to be used with multiple product, take into account the length of each power cable, and mount the products close enough to one another to accommodate for this.
- When aiming the products, you may use the bracket adjustment knob. Loosen the knob, adjust to the desired angle, and then tighten the knob by turning clockwise. Do not use tools for this step, as it may cause damage.
- Safety cables must always be used.



4. OPERATING INSTRUCTIONS

Configuring the Starting Address

Each product requires a starting address from 1~512. A product requiring one or more channels for control begins to read the data on the channel indicated by the starting address. For example, a product that uses seven DMX channels and is addressed to start on DMX channel 100, will read data from channels: 100, 101, 102, 103, 104, 105 and 106. Choose the starting addresses for each product so that the channels used do not overlap. In addition, you should note the starting address selected for future reference. The Line Dancer LED™ product uses four DMX channels. If this is your first time using DMX, download the DMX Primer from www.chauvetlighting.com.

DMX Operation

This is the operating mode which will allow for control with an external DMX controller. You must set the starting address for this mode. If you are unfamiliar with DMX, download the DMX Primer from www.chauvetlighting.com.

1. Plug the DMX controller into the product.
2. Using the DIP switches 1~9, assign the DMX starting address.



The blue LED located directly to the right of the DIP switches will blink rapidly when the product detects DMX signal.



This product will switch to DMX mode automatically when a DMX controller is plugged into the product.

Master/Slave

This is the operating mode which will allow 1 product to act as the “master” and control all of the other “slave” products. You must set both the master and the slave(s) products to the correct mode for this operation.

Master Settings:

1. You may choose to operate this product in Automatic or Sound mode on the master product. Please see the standalone options for these settings.

Slave Settings:

1. Set all DIP switches to the OFF position.



The first product in the chain will automatically be set to the master. When all of the DIP switches on the slave products are set to the OFF position, they will follow the master.



Do not connect a DMX controller to the daisy chain for this operating mode.

Standalone Operation

Automatic

This product has preprogrammed chases. These are accessed via the DIP switches on the back of the product. Please see the instructions below for further explanation.

1. Set DIP switch [10] to the ON position.
2. Set DIP switch [9] to the OFF position.

Sound-Active

This product has preprogrammed sound triggered chases. These are accessed via the DIP switches, and the speed may be adjusted using the audio adjustment knob. Please see the instructions below for further explanation.

1. Set DIP switch [9] to the ON position.
2. Set DIP switch [10] to the OFF position.

Custom Static Color Mixing

This product has the ability to accept custom settings. These are accessed via the DIP switches. Please see the list below for these DIP switch settings.

Function	DIP switch
Red	1
Green	2
Blue	3
Strobe Speed	4~8



The rotation speed is fixed to the default setting in this mode. It is not possible to adjust this speed in standalone operation.

DMX Channel Values

CHANNEL	VALUE	FUNCTION
1	000 ⇔ 255	Mode
	021 ⇔ 040	No Function
	041 ⇔ 060	Red
	061 ⇔ 080	Green
	081 ⇔ 100	Blue
	101 ⇔ 120	Red/Green
	121 ⇔ 140	Red/Blue
	141 ⇔ 160	Green/Blue
	161 ⇔ 180	Red/Green/Blue
	181 ⇔ 200	Mode 1
	201 ⇔ 220	Mode 2
	221 ⇔ 240	Mode 3
	241 ⇔ 255	Mode 4
		Sound
2		Strobe (only when CH.1 is between 021~240)
	000 ⇔ 009	No Function
	010 ⇔ 255	Slow ~ Fast
3		Run Speed (only when CH.1 is between 161~240)
	000 ⇔ 009	No Function
	010 ⇔ 255	Slow ~ Fast
4		Motor Speed
	000 ⇔ 009	No Function
	010 ⇔ 255	Slow ~ Fast

5. APPENDIX

General Maintenance

To maintain optimum performance and minimize wear, products should be cleaned frequently. Usage and environment are contributing factors in determining frequency. As a general rule, products should be cleaned at least twice a month. Dust build up reduces light output performance and can cause overheating. This can lead to reduced lamp life and increased mechanical wear. Be sure to power off product before conducting maintenance.

- Unplug product from power.
- Use a vacuum or air compressor and a soft brush to remove dust collected on external vents.
- Clean all glass when the product is cold with a mild solution of glass cleaner or Isopropyl Alcohol and a soft lint free cotton cloth or lens tissue.
- Apply solution to the cloth or tissue and drag dirt and grime to the outside of the lens.
- Gently polish optical surfaces until they are free of haze and lint.

The cleaning of external optical lenses and/or mirrors must be carried out periodically to optimize light output. Cleaning frequency depends on the environment in which the product operates. Damp, smoky or particularly dirty surroundings can cause greater accumulation of dirt on the unit's optics. Clean with soft cloth using normal glass cleaning fluid. Clean the external optics at least every 20 days. Clean the product at least every 30/60 days.



Always dry the parts carefully after cleaning them.



Never spin a fan using compressed air.

Data Cabling

To link products together you must obtain data cables. You can purchase CHAUVET® certified DMX cables directly from a dealer/distributor or construct your own cable. If you choose to create your own cable please use data-grade cables that can carry a high quality signal and are less prone to electromagnetic interference. Use a Belden® 9841 or equivalent cable which meets the specifications for EIA RS-485 applications.

Data Linking

You will need a serial data link to run light shows of one or more products using a DMX controller or to run synchronized shows on two or more products set to a master/slave operating mode. The combined number of channels required by all the products on a serial data link determines the number of products the data link can support.



Products on a serial data link must be daisy chained in one single line. To comply with the EIA-485 standard, no more than 32 products should be connected on one data link. Connecting more than 32 products on one serial data link without the use of a DMX optically-isolated splitter may result in deterioration of the digital DMX signal.

Maximum recommended serial data link distance: 500 m (1640 ft)

Maximum recommended number of products on a serial data link: 32

General Troubleshooting

SYMPTOM	POSSIBLE CAUSE(S)	POSSIBLE ACTION(S)
Breaker/Fuse keeps blowing	Excessive circuit load Short circuit along the power wires	Check total load placed on the electrical circuit. Check for a short in the electrical wiring (internal and/or external)
Device does not power up	No power Loose power cord	Check for power on power outlet Check power cord
Product is not responding to DMX	Wrong DMX addressing Damaged DMX cables Wrong polarity settings on the controller Loose DMX cables Faulty DMX interface Faulty Main PCB	Check Control Panel and unit addressing Check DMX cables Check polarity switch settings on the controller Check cable connections Replace DMX input Replace Main PCB
Loss of signal	Non DMX cables Bouncing signals Long cable / Low level signal Too many products Interference from AC wires	Use only DMX compatible cables Install terminator as suggested Install amplifier right after product with strong signal Install an optically coupled DMX splitter after unit #32 Keep DMX cables separated from power cables or black lights



If you still have a problem after trying the above solutions, please contact CHAUVET® Technical Support.

Return Procedure

Returned merchandise must be sent prepaid and in the original packing; call tags will not be issued. Package must be clearly labeled with a Return Merchandize Authorization Number (RMA #). Products returned without the RMA # will be refused. Call CHAUVET® and request an RMA # prior to shipping the product. Be prepared to provide the model number, serial number and a brief description of the cause for the return. Be sure to pack product properly; any shipping damage resulting from inadequate packaging is the customer's responsibility. As a suggestion, proper UPS packing or double-boxing is always a safe method to use.

CHAUVET® reserves the right to use its own discretion to repair or replace product(s).



If you are given an RMA #, please include the following information on a piece of paper inside the box:

- 1) Your name
- 2) Your address
- 3) Your phone number
- 4) The RMA #
- 5) A brief description of the symptoms

Claims

Damage incurred in shipping is the responsibility of the shipper; therefore, the damage must be reported to the carrier upon receipt of merchandise. It is the customer's responsibility to notify and submit claims with the shipper in the event that a product is damaged due to shipping. Any other claim for items such as missing component/part, damage not related to shipping, and concealed damage, must be made within seven (7) days of receiving merchandise.

Technical Specifications

WEIGHT & DIMENSIONS

Length.....	12.9 in (327 mm)
Width.....	12.4 in (316 mm)
Height.....	11.5 in (291 mm)
Weight.....	9.2 lbs (4.2 kg)

POWER

Auto-ranging Power Supply	100~240 VAC, 50/60 Hz
Power Consumption @ 120 VAC, 60 Hz	8 W (0.2 A) max, 0.2 A inrush
Power Consumption @ 230 VAC, 50 Hz	10 W (0.1 A) max, 0.2 A inrush
Power output.....	30 units max
Fuse.....	F 2 A, 250 V

LIGHT SOURCE

LED	72 (24 red, 24 green, 24 blue) 100,000 hrs
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PHOTO OPTIC

Coverage Angle	70°
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THERMAL

Maximum ambient temperature	104° F (40° C)
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ORDERING INFORMATION

Line Dancer LED™	LINCEDANCERLED
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WARRANTY INFORMATION

Warranty	2-year limited warranty
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Contact Us

World Wide

General Information

CHAUVET® Lighting
5200 NW 108th Avenue
Sunrise, FL 33351
voice: 954.929.1115
fax: 954.929.5560
toll free: 800.762.1084

Technical Support

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World Wide Web

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